

Submit to Appropriate
District Office
State Lease -- 6 copies
Fee Lease -- 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						WELL API NO. 30-015-30742									
1a. Type of Well OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐						5. Indicate Type of Lease STATE ☐ FEE ☒									
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DUFF RESVR ☐ OTHER ☐						6. State Oil & Gas Lease No.									
2. Name of Operator Manzano Oil Corporation						7. Lease Name or Unit Agreement Name Esperanza									
3. Address of Operator P.O. Box 2107, Roswell, NM 88202-2107						8. Well No. 2									
4. Well Location Unit Letter <u>J</u> : <u>1650</u> Feet From The <u>South</u> Line and <u>1650</u> Feet From The <u>East</u> Line Section <u>4</u> Township <u>22 South</u> Range <u>27 East</u> NMPM <u>Eddy</u> County						9. Pool name or Wildcat Esperanza (Delaware)									
10. Date Spudded 9/19/99		11. Date T.D. Reached 9/26/99		12. Date Compl. (Ready to Prod.) 12/28/99		13. Elevations (DF & RKB, RT, GR, etc.) 3097' GL		14. Elev. Casinghead 3113'							
15. Total Depth 5311'		16. Plug Back T.D. 5212'		17. If Multiple Compl. How Many Zones?		18. Intervals Drilled By Rotary Tools ☒ Cable Tools ☐		19. Producing Interval(s), of this completion - Top, Bottom, Name 4818-54'							
21. Type Electric and Other Logs Run LL-Micro CFL w/GR & CNL-Litho Density						22. Was Directional Survey Made No									
21. Type Electric and Other Logs Run LL-Micro CFL w/GR & CNL-Litho Density						22. Was Well Cored Sidewalls									
CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT LB/FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
8-5/8"		24#		400'		12-1/4"		150 sks C I C		None					
5-1/2"		17#		5311'		7-7/8"		755 sks C I C		None					
24. LINER RECORD										25. TUBING RECORD					
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET	
										2-7/8"		4894'			
26. Perforation record (interval, size, and number) 4818-54' = 13 holes										27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
										DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
										4818-54'		Acidize w/600 gal 10% NEFE			
												Frac w/11k gal 22k# 16/30 sand			
												& 7500# 16/30 RC sand			
28. PRODUCTION															
Date First Production 12/28/99		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping						Well Status (Prod. or Shut-in) SI							
Date of Test 12/17/99		Hours Tested 10		Choke Size Open		Prod'n For Test Period		Oil - Bbl 13		Gas - MCF TSTM		Water - Bbl 85		Gas - Oil Ratio Nil	
Flow Tubing Press. Zero		Casing Pressure 15		Calculated 24-Hour Rate		Oil - Bbl 31		Gas - MCF TSTM		Water - Bbl 204		Oil Gravity - API - (Corr.) 32°			
29. Disposition of Gas (Sold, used for fuel, vented, etc.) used for fuel										Test Witnessed By Van Barton					
30. List Attachments LL-Micro CFL & CNL/Litho Density w/GR															
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief															

Signature

Donnie E. Brown

Printed Name

Donnie E. Brown

Title

VP Engineering

Date

12/23/99

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Perm	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology
400	600	200	Salt
600	1980	1380	Anhydrite
1980	5100	3120	Sand
5100	TD	200	Carbonate